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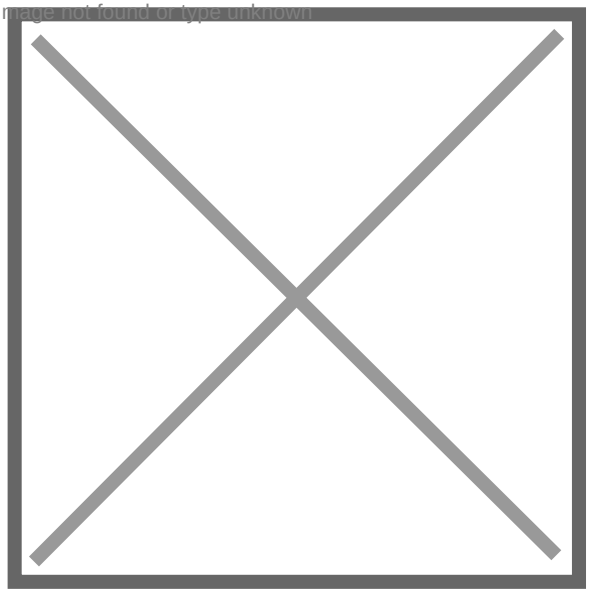
Product Name :

Apparatus for Electrolysis of Salts

Product Code :

SCI-063/07

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Description :

Apparatus for Electrolysis of Salts (Product Code: SCI-063/07) is a U-tube electrolysis cell used to decompose salt solutions with direct current and show the product formed at each electrode in school and college chemistry laboratories. It combines a glass U tube of 15 mm diameter with graphite electrodes 60 mm long, a rubber stopper and electrical conductor wire, so the products in each arm stay apart. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and laboratory instruments supplier in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Electrolysis vessel	U-shaped glass tube
Tube diameter	15 mm
Electrodes	Graphite
Electrode length	60 mm
Fittings	Rubber stopper
Wiring	Electrical conductor wire
Power source	Not listed as included; a low-voltage DC supply is required
Product code	SCI-063/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Salt Electrolysis Apparatus Used For?

The U tube is filled with a salt solution, a graphite electrode is set into each arm, and the conductor wire links them to a low-voltage DC supply. Because the arms are separate, the cathode and anode products can be watched and tested individually: copper(II) chloride solution plates pink copper on the cathode and gives chlorine at the anode, while potassium iodide solution turns brown with iodine at the anode as hydrogen bubbles form at the cathode.

With brine, hydrogen appears at the cathode and chlorine at the anode, and a few drops of universal indicator show the liquid around the cathode turning alkaline, a small-scale model of the chlor-alkali process. Graphite is chosen because it conducts well yet takes little part in the reactions. Run chlorine-producing electrolyses briefly in a ventilated room or fume cupboard, and switch off the supply before touching the electrodes.

What to Specify When Ordering

- The number of apparatus sets needed for the class or laboratory.
- Whether spare 60 mm graphite electrodes should be quoted with the sets.
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